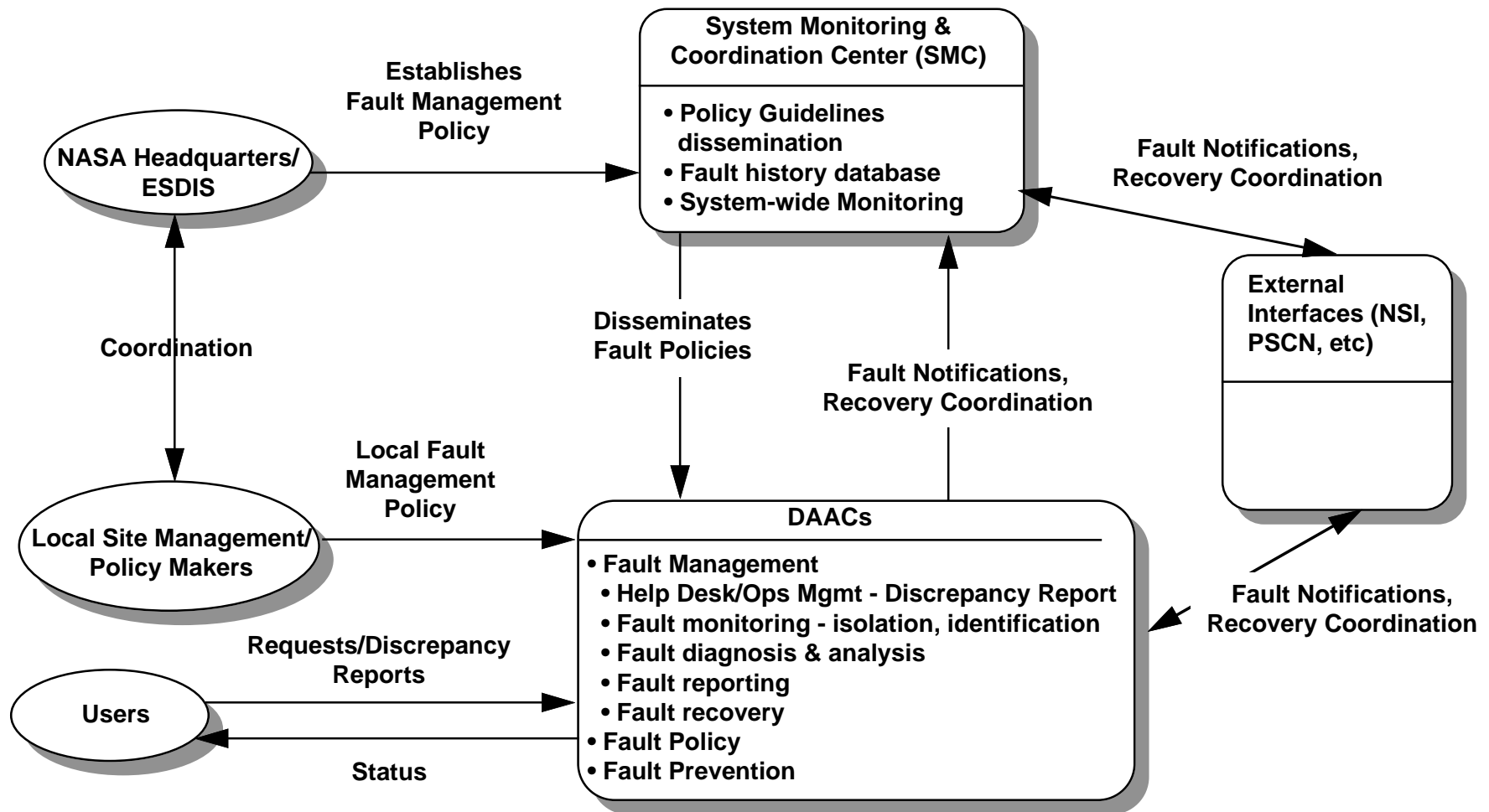


Organizational Interfaces



Roles

ESDIS Management

- **Establishes Fault Policies and Procedures**

SMC

- **Monitors and analyzes system fault trends**
- **Implements system fault Policies and Procedures**

Site Management

- **Adapt Site Fault Policies and Procedures**
- **Review Site Fault Trending**
- **Approve Fault Resolution**

Roles (cont.)

Site Operators/Engineers

- **Fault Analysis and Resolution**
- **Develop and Execute Fault Procedures**
- **Provide Fault Reporting**

User Services

- **Provide an interface for users to report problems**

Users

- **Report Faults**
- **Support Fault Analysis and Resolution**

Process

- **Establish and maintain:**
 - **Objectives/agreement**
 - **Standard operating procedures**
- **Set up FM system for monitoring - Customize to site unique needs**
(Authorizations are set up for roles. These may be reconfigured/ shared)
 - **Create map hierarchies**
 - **Adapt categories and severity levels of faults**
 - **Establish thresholds**
 - **Adapt notification mechanisms**
 - **Adapt agents for detection and notification**
- **Detection**
 - **Notification received on the display about system-level faults**
 - **Fault information logged**
 - **Notification received from the user about error in applications**

Process (cont.)

- **Isolation and Diagnosis - Tools provided:**
 - Log browser to browse log files for diagnostic information
 - Database provided for ad-hoc querying
 - Diagnostic tests provided to isolate and identify cause
 - Vendor diagnostics provided to diagnose failed equipment
 - Capability for problem logging & tracking (Trouble Ticketing)
- **Recovery/Resolution**
 - Object restored to operational state
- **Documentation, Recording, Reporting & off-line mgmt. of fault**

Process (cont.)

Operation	Tools Available
Fault Detection	Management Agents, HP OpenView, Users (On-line electronic Incident Reporting Tool, e.g., Trouble Ticketing product or HTML-form based)
Fault Notification	Audible Notifications, Visual Notifications (Icons changing color, Pop-up notification windows)
Fault Isolation & Diagnosis	Log Browser, Database for ad-hoc querying Diagnostic Tests, Vendor Diagnostics
Fault Recovery	Standard Operating Procedures (SOP) On-line documentation Off-line resolutions
Documenting & Reporting	Database for ad-hoc querying, Problem tracking and logging (Trouble Ticketing)